



Born 1961, citizen of Portugal

Ph.D. (Animal Breeding and Genetics) – 1994 – *Texas A&M University*, USA

M.Sc. (Animal Breeding and Genetics) – 1990 – *Texas A&M University*, USA

D.V.M. – 1984 – *Lisbon School of Veterinary Medicine*, Portugal

Independent Breeding, Genetics, and Statistics Consultant – *Iowa Genetics* (headquartered in Brazil) – August 2010-present

Shrimp Breeding Program Director – *PaLangosta* (Panama), since June 2016; *UniFinca* (Honduras), since November 2015; *Larvas El Dorado/Tres Socios* (Sonora, Mexico), since April 2015; *Belize Aquaculture/BAL* (Belize), from April 2015 to August 2017; *CAMACO* (Panama), from August 2013 to January 2017; *Songa/Expalsa* (Ecuador), since December 2012; *PrimaGen* (Indonesia), since April 2011; and *Texcumar* (Ecuador), since January 2011

Shrimp Breeding Program Geneticist– *Aquatec/Genearch* (Brazil)– 2006-present

Shrimp Breeding Program Genetics Consultant – Short-term consultancies: with *Cargill* (Mexico); with shrimp breeding companies in Mexico (*Grupo GAM*); in Venezuela (*Grupo Lamar*), Peru (*MarinAzul*), the Philippines (*FeedMix*); Panama (*CAMACO*); the United States (*Primo Broodstock*); and Ecuador (*IMEGESA*, and *Songa/Expalsa*); and with the *Sun Yat-Sen University* of Guangzhou, China; and the *Federal University of S. Carlos, S.P., Brazil*. **Long-term consultancy:** *Integrated Aquaculture International* (IAI – Brunei and Kona Bay, Hawaii, U.S.A.) – 2006-2010

Shrimp Breeding Program Geneticist – *Sygen/SyAqua* (Hawaii, Mexico, Brazil, and Thailand) – 2002-2006

Experiences with beef and dairy cattle, and hybrid corn genetic improvement programs, mouse genetics, and genetic marker applications in breeding programs – 1988-2002

Private Veterinarian practice and Public Animal Health Control in Cattle *National Breed Association (Arouquesa)* – Portugal – 1997-1999

State Veterinarian – Transkei, Republic of South Africa – 1984-1986

Authored or co-authored **21** *peer-reviewed manuscripts*, **1** *key-note address*, **3** *book-chapters*, **54** *Conference papers, abstracts and posters*, 31 *non-peer-reviewed manuscripts*, and 94 *corporate technical reports*

Presented **161 oral contributions at Scientific Meetings and other professional gatherings**

Was the Sole Lecturer of a full week's *Course/Workshop on Shrimp Genetic Improvement* prepared by and for the *Iranian Fisheries Research Organization (IFRO)*, Bushehr, Iran, January 2013

Developed comprehensive long term Breeding Plans for an *Iranian National Shrimp Breeding and Genetics Program*, as commissioned by the *Iranian Fisheries Research Organization (IFRO)*, Tehran and Bushehr, Iran, November 2015

Developed a Strategic Vision for Shrimp Breeding in China as commissioned by the *Sun Yat-Sen and Shanghai Universities* of Guangzhou and Shanghai, China, July 2016